RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/566,953_
Source: _1FWP_
Date Processed by STIC: _2/14/06_

ENTERED

IFWP

RAW SEQUENCE LISTING   DATE: 02/14/2006
PATENT APPLICATION: US/10/566,953   TIME: 12:53:54

Input Set : **F:\seq_listing_11548_002_999.TXT**
Output Set: **N:\CRF4\02142006\J566953.raw**

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     4 <110> APPLICANT: Gustafsson, Claes
     5         Govindarajin, Sridhar
     6         Minshull, Jeremy Stephen
     8 <120> TITLE OF INVENTION: Systems and Methods for Biopolymer
     9         Engineering
    11 <130> FILE REFERENCE: 11548-02-999
C-->13 <140> CURRENT APPLICATION NUMBER: US/10/566,953
C-->13 <141> CURRENT FILING DATE: 2006-01-31
    13 <150> PRIOR APPLICATION NUMBER: PCT/US04/024752
    14 <151> PRIOR FILING DATE: 2004-07-30
    16 <150> PRIOR APPLICATION NUMBER: 60/536,862
    17 <151> PRIOR FILING DATE: 2004-01-15
    19 <150> PRIOR APPLICATION NUMBER: 60/536,357
    20 <151> PRIOR FILING DATE: 2004-01-14
    22 <150> PRIOR APPLICATION NUMBER: 60/491,815
    23 <151> PRIOR FILING DATE: 2003-08-01
    25 <160> NUMBER OF SEQ ID NOS: 3
    27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
    29 <210> SEQ ID NO: 1
    30 <211> LENGTH: 20
    31 <212> TYPE: PRT
    32 <213> ORGANISM: Escheria coli
    34 <220> FEATURE:
    35 <223> OTHER INFORMATION: Escheria coli Leader Peptide
W-->36 <400> SEQUENCE: 1
    37 Met Lys Lys Leu Leu Phe Ala Ile Pro Leu Val Val Pro Phe Tyr Ser
    38 1               5                   10                  15
    39 His Ser Thr Met
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    43 <210> SEQ ID NO: 2
    44 <211> LENGTH: 377
    45 <212> TYPE: PRT
    46 <213> ORGANISM: Tritirachium album Limber
    48 <220> FEATURE:
    49 <223> OTHER INFORMATION: Tritirachium album Limber proteinase K
    51 <400> SEQUENCE: 2
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    55             20                  25                  30
    56 Ser Ala Leu Ser Ala Leu Asp Ala Ala Met Glu Lys Ile Ser Gly Lys
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    58 Pro Asp His Val Tyr Lys Asn Val Phe Ser Gly Phe Ala Ala Thr Leu
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60 Asp Glu Asn Met Val Arg Val Leu Arg Ala His Pro Asp Val Glu Tyr
61 65                   70                  75                  80
62 Ile Glu Gln Asp Ala Val Val Thr Ile Asn Ala Ala Gln Thr Asn Ala
63                   85                  90                  95
64 Pro Trp Gly Leu Ala Arg Ile Ser Ser Thr Ser Pro Gly Thr Ser Thr
65                  100                 105                 110
66 Tyr Tyr Tyr Asp Glu Ser Ala Gly Gln Gly Ser Cys Val Tyr Val Ile
67              115                 120                 125
68 Asp Thr Gly Ile Glu Ala Ser His Pro Glu Phe Glu Gly Arg Ala Gln
69     130                 135                 140
70 Met Val Lys Thr Tyr Tyr Tyr Ser Ser Arg Asp Gly Asn Gly His Gly
71 145                 150                 155                 160
72 Thr His Cys Ala Gly Thr Val Gly Ser Arg Thr Tyr Gly Val Ala Lys
73                  165                 170                 175
74 Lys Thr Gln Leu Phe Gly Val Lys Val Leu Asp Asp Asn Gly Ser Gly
75              180                 185                 190
76 Gln Tyr Ser Thr Ile Ile Ala Gly Met Asp Phe Val Ala Ser Asp Lys
77              195                 200                 205
78 Asn Asn Arg Asn Cys Pro Lys Gly Val Val Ala Ser Leu Ser Leu Gly
79     210                 215         .         220
80 Gly Gly Tyr Ser Ser Ser Val Asn Ser Ala Ala Ala Arg Leu Gln Ser
81 225                 230                 235                 240
82 Ser Gly Val Met Val Ala Val Ala Ala Gly Asn Asn Asn Ala Asp Ala
83                  245                 250                 255
84 Arg Asn Tyr Ser Pro Ala Ser Glu Pro Ser Val Cys Thr Val Gly Ala
85              260                 265                 270
86 Ser Asp Arg Tyr Asp Arg Arg Ser Ser Phe Ser Asn Tyr Gly Ser Val
87     275                 280                 285
88 Leu Asp Ile Phe Gly Pro Gly Thr Ser Ile Leu Ser Thr Trp Ile Gly
89     290                 295                 300
90 Gly Ser Thr Arg Ser Ile Ser Gly Thr Ser Met Ala Thr Pro His Val
91 305                 310                 315                 320
92 Ala Gly Leu Ala Ala Tyr Leu Met Thr Leu Gly Lys Thr Thr Ala Ala
93                  325                 330                 335
94 Ser Ala Cys Arg Tyr Ile Ala Asp Thr Ala Asn Lys Gly Asp Leu Ser
95              340                 345                 350
96 Asn Ile Pro Phe Gly Thr Val Asn Leu Leu Ala Tyr Asn Asn Tyr Gln
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98 Ala Val Asp His His His His His His
99     370                 375
102 <210> SEQ ID NO: 3
103 <211> LENGTH: 1193
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Artificial nucleic acid sequence encoding Tritirachium album
109        Limber proteinase K
111 <400> SEQUENCE: 3
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RAW SEQUENCE LISTING
PATENT APPLICATION: **US/10/566,953**

DATE: 02/14/2006
TIME: 12:53:54

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113 gcaccggccg ttgaacagcg ttctgaagca gctcctctga ttgaggcacg tggtgaaatg 120
114 gtagcaaaca agtacatcgt gaagttcaag gagggttctg ctctgtctgc tctggatgct 180
115 gctatggaaa agatctctgg caagcctgat cacgtctata agaacgtgtt cagcggtttc 240
116 gcagcaactc tggacgagaa catggtccgt gtactgcgtg ctcatccaga cgttgaatac 300
117 atcgaacagg acgctgtggt tactatcaac gcggcacaga ctaacgcacc ttggggtctg 360
118 gcacgtattt cttctacttc cccgggtacg tctacttact actacgacga gtctgccggt 420
119 caaggttctt gcgtttacgt gatcgatacg ggcatcgagg cttctcatcc tgagtttgaa 480
120 ggccgtgcac aaatggtgaa gacctactac tactcttccc gtgacggtaa tggtcacggt 540
121 actcattgcg caggtactgt tggtagccgt acctacggtg ttgctaagaa aacgcaactg 600
122 ttcggcgtta aagtgctgga cgacaacggt tctggtcagt actccaccat tatcgcgggt 660
123 atggatttcg tagcgagcga taaaaacaac cgcaactgcc cgaaaggtgt tgtggcttct 720
124 ctgtctctgg gtggtggtta ctcctcttct gttaacagcg cagctgcacg tctgcaatct 780
125 tccggtgtca tggtcgcagt agcagctggt aacaataacg ctgatgcacg caactactct 840
126 cctgctagcg agccttctgt ttgcaccgtg ggtgcatctg atcgttatga tcgtcgtagc 900
127 tccttcagca actatggttc cgtcctggat atcttcggcc ctggtacttc tatcctgtct 960
128 acctggattg gcggtagcac tcgttccatt tccggtacga gcatggctac tccacatgtt 1020
129 gctggtctgg cagcatacct gatgaccctg ggtaagacca ctgctgcatc cgcttgtcgt 1080
130 tacatcgcgg atactgcgaa caaaggcgat ctgtctaaca tcccgttcgg caccgttaat 1140
131 ctgctggcat acaacaacta tcaggctgtc gaccatcatc atcatcatca tag      1193
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VERIFICATION SUMMARY   DATE: 02/14/2006
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L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:36 M:283 W: Missing Blank Line separator, <400> field identifier